

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/825,294

DATE: 04/18/2001

TIME: 16:35:05

Input Set : A:\484c5.app.txt

Output Set: N:\CRF3\04182001\I825294.raw

ENTERED

3 <110> APPLICANT: Xu, Jiangchun
4 Stolk, John A.
5 Algate, Paul A.
6 Fling, Steven P.
9 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
10 THERAPY AND DIAGNOSIS OF OVARIAN CANCER
12 <130> FILE REFERENCE: 210121.484C5
C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/825,294
15 <141> CURRENT FILING DATE: 2001-04-03
17 <160> NUMBER OF SEQ ID NOS: 215
19 <170> SOFTWARE: FastSEQ for Windows Version 3.0
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 396
23 <212> TYPE: DNA
24 <213> ORGANISM: Homo sapien
26 <220> FEATURE:
27 <221> NAME/KEY: misc_feature
28 <222> LOCATION: (1)...(396)
29 <223> OTHER INFORMATION: n = A,T,C or G
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32 caacctcact agtaaataagaaatattg taatttgtat ttgatctgct gggctcttgg 60
33 agtcagaact ggttttatca gcagtttgat cttctgaggt ctggtatgta gtttgctggc 120
34 ccacagaacc ttcacgtgta ttcacagcct caatgccata aggaaactct tttagaagtt 180
35 ctgacagctg gtcacgtagg tataagacag gtgccttatt actgtggatt tcatttcttg 240
36 caggatcttg gggagtatag ttgctggatg catctatttc ctgagggtaa atatcctcct 300
W--> 37 ggncgacgcy gccgctcgag tctagagggc ccgtttaaac ccgctgatca gcctcgactg 360
W--> 38 tgccttctan ttgccancca tntgttgttt gccct 396
40 <210> SEQ ID NO: 2
41 <211> LENGTH: 396
42 <212> TYPE: DNA
43 <213> ORGANISM: Homo sapien
45 <400> SEQUENCE: 2
46 cgacaaaaa gtaaaactcca agtgaacatc aaatcaaata taatcctttt ggccacatga 60
47 ctggttggtt tttatctcat agttacaatg aatcatataa actgtagact gccactacca 120
48 cgatacttct gtgacacaga agaatgtcc tatttgccata tctatctgag gaatgttaaa 180
49 tagagaaaaa tagattataa aacaacctgg aggtcacagg attctgagat aatccctctg 240
50 ttaaaaaaca tctgaacagc aaatgtccaa tctgtaataa aatagttaaa ggtccaagtc 300
51 aagtcactt ctacttggct ggcccagcac aagaaatcta acagcacttt gtaatcattt 360
52 tgcttttcta attttccgg aggacatggg ccattg 396
54 <210> SEQ ID NO: 3
55 <211> LENGTH: 396
56 <212> TYPE: DNA
57 <213> ORGANISM: Homo sapien
59 <220> FEATURE:
60 <221> NAME/KEY: misc_feature
61 <222> LOCATION: (1)...(396)
62 <223> OTHER INFORMATION: n = A,T,C or G

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64 <400> SEQUENCE: 3
W--> 65 cgcccttttt tttttttttt tnattggnnn aantccttt nantnnaaaa acntgnangg      60
W--> 66 naanccann cccnngnac cannnccagg agttgggtgg anactgagtg gggtttgtgt      120
W--> 67 gggtagggg gcatctactc ctnttgcaac aagccaaaag tagaacagcc taaggaaaag      180
68 tgacctgctt tggagcctta gtccctccct tagggccccc tcagcctacc ctatccaagt      240
69 ctgaggctat ggaagtctcc ctctagtctt actagcaggt tccccatctt ttccaggctg      300
W--> 70 cccctagcac tccacgtttt tctgaaaaaa tctanacagg cccctttttg gtacctaaaa      360
71 cccagctgag gttgtgagct tgtaaggtaa agcaag      396
73 <210> SEQ ID NO: 4
74 <211> LENGTH: 396
75 <212> TYPE: DNA
76 <213> ORGANISM: Homo sapien
78 <220> FEATURE:
79 <221> NAME/KEY: misc_feature
80 <222> LOCATION: (1)...(396)
81 <223> OTHER INFORMATION: n = A,T,C or G
83 <400> SEQUENCE: 4
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W--> 85 gtnnacctcc nnetgcnnag cntatntcc aanatcacc accgtatcca ctgggaatct      120
W--> 86 gccagcctcc tgcgatcaga agagaccaat cgaaaatgag ggtttcacan tcacagctga      180
W--> 87 aggaaaaggc caaggcacct tgtcggnggn gacaatgtac catgctaagg ccaaagatca      240
88 actcacctgt aataaattcg acctcaaggt caccataaaa ccagcaccgg aacagaaaaa      300
W--> 89 gaggcctnag gatgcccaag aaacactttt gatcctttga aaactgtacc aaggtaccgg      360
W--> 90 ggggagaccc aggaaaggnc cnttatgtnt nnnntnt      396
92 <210> SEQ ID NO: 5
93 <211> LENGTH: 396
94 <212> TYPE: DNA
95 <213> ORGANISM: Homo sapien
97 <220> FEATURE:
98 <221> NAME/KEY: misc_feature
99 <222> LOCATION: (1)...(396)
100 <223> OTHER INFORMATION: n = A,T,C or G
102 <400> SEQUENCE: 5
103 gacgccggag ctgccgcgcc agtcgcctag caggctctct accggcttat tctgtgccc      60
104 gatcttcacg ggcacagggg ccaactgagac gtttctgctt cctcttttct tctccgctc      120
W--> 105 tttctcttcc ctctngttta gtttgccctg gagcttgaaa ggagaaagca cnggggtcgc      180
106 cccaaaccct ttctgcttct gcccatcaca agtgccacta ccgccatggg cctcactatc      240
107 tctccctctt tctccgact atttgcaag aagcagatgc gcattttgat ggttgattg      300
W--> 108 gatgctgctg gcaagacaac cattcttgat aaactgaaag tangganat aagnaccacc      360
W--> 109 atttctacca ttgggtttta tgggggaaac agtana      396
111 <210> SEQ ID NO: 6
112 <211> LENGTH: 396
113 <212> TYPE: DNA
114 <213> ORGANISM: Homo sapien
116 <220> FEATURE:
117 <221> NAME/KEY: misc_feature
118 <222> LOCATION: (1)...(396)
119 <223> OTHER INFORMATION: n = A,T,C or G
121 <400> SEQUENCE: 6

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122  acgggaggcg  cgggaagtc  gacggcgccg  ggggtcctg  caggaggcca  ctgtctgcag      60
123  ctcccgtaga  gatgtccact  ccagaccac  ccctgggagg  aactcctcgg  ccaggtcctt     120
124  ccccgggccc  tggccttccc  ctggagccat  gctggggcct  agcccgggtc  cctcgccggg     180
W--> 125  ctccgcccac  agcatgatgg  ggcccagccc  angggcccgc  ctcagcagga  caccatcc       240
126  ccaccagggg  gcttgagggg  taccctcagg  acaacatgca  ccagatgcac  aagcccatgg     300
127  agtccatgca  tgagaagggc  atgtcggacg  acccgcgcta  caaccagatg  aaaggaatgg     360
128  ggatgcggtc  agggggccat  gctgggatgg  ggcccc
130  <210> SEQ ID NO: 7
131  <211> LENGTH: 396
132  <212> TYPE: DNA
133  <213> ORGANISM: Homo sapien
135  <400> SEQUENCE: 7
136  acccgagagt  cgtcgggggt  tctgtcttca  acagtgttg  gacggaaccc  ggcgtcgtt      60
137  cccacccccg  gccggcgcc  catagccagc  cctcgtcac  ctcttcaccg  caccctcgga     120
138  ctgcccgaag  gccccgccc  cggtccagc  gccgcgcagc  caccgcgcgc  gccgcgcct      180
139  ctcttagtgc  gccgcatga  cgaccgcgtc  cacctcgcag  gtgcgcagca  actaccacca     240
140  ggactcagag  gccgccatca  accgccagat  caacctggag  ctctacgcct  cctacgttta     300
141  cctgtccatg  tcttactact  ttgaccgcga  tgatgtggct  ttgaagaact  ttgccaata      360
142  ctttcttcac  caatctcatg  aggagaggga  acatgc
144  <210> SEQ ID NO: 8
145  <211> LENGTH: 396
146  <212> TYPE: DNA
147  <213> ORGANISM: Homo sapien
149  <400> SEQUENCE: 8
150  cgacaacaag  gttaatacct  tagttcttaa  cattttttt  ctttatgtgt  agtgttttca     60
151  tgctaccttg  gtaggaaact  tatttacaac  ccatattaaa  aggctaattt  aaatataaat     120
152  aatataaagt  gctctgaata  aagcagaaat  atattacagt  tcattccaca  gaaagcatcc     180
153  aaaccacca  aatgaccaag  gcataatatg  tatttggagg  aatcaggggt  ttggaaggag     240
154  tagggaggag  aatgaaggaa  aatgcaacca  gcatgattat  agtgtgttca  tttagataaa     300
155  agtagaaggc  acaggagagg  tagcaaaggc  caggcttttc  tttggttttc  ttcaaacata     360
156  ggtgaaaaaa  aactgcccac  tcacaagtca  aggaac
158  <210> SEQ ID NO: 9
159  <211> LENGTH: 396
160  <212> TYPE: DNA
161  <213> ORGANISM: Homo sapien
163  <220> FEATURE:
164  <221> NAME/KEY: misc_feature
165  <222> LOCATION: (1)...(396)
166  <223> OTHER INFORMATION: n = A,T,C or G
168  <400> SEQUENCE: 9
169  tcgacatcgc  ggcaactttt  tgcggattgt  tcttgcttcc  aggctttgcy  ctgcaaatec     60
170  agtgctacca  gtgtgaagaa  ttccagctga  acaacgactg  ctccctcccc  gagttcattg     120
171  tgaattgcac  ggtgaacgtt  caagacatgt  gtcagaaaga  agtgatggag  caaagtgcgc     180
172  ggatcatgta  ccgcaagtcc  tgtgcatcat  cagcggcctg  tctcatcgcc  tctgccgggt     240
173  accagtcctt  ctgctcccca  gggaaactga  actcagtttg  catcagctgc  tgcaacaccc     300
W--> 174  ctctttgtaa  cgggccaagg  nccaaaaaaa  ggggaaagtt  ctgncctcgg  ccctcaggcc     360
175  agggctccgc  accaccatcc  tgttctctca  attagc
177  <210> SEQ ID NO: 10
178  <211> LENGTH: 396

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179 <212> TYPE: DNA
180 <213> ORGANISM: Homo sapien
182 <220> FEATURE:
183 <221> NAME/KEY: misc_feature
184 <222> LOCATION: (1)...(396)
185 <223> OTHER INFORMATION: n = A,T,C or G
187 <400> SEQUENCE: 10
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W--> 190 tttttttttt aaaaaaangg gnnnnntttt ttncnnnnn ggngggggg ggggnnnntt 180
W--> 191 ttnaaaaaa aaaaccnnaa annnnngggg nnnannnaan ncccccccc naancnntaa 240
W--> 192 aaaannnggn aaanagggg gggannnnnn nnggggggna aaantttttt ttttttnaag 300
W--> 193 ggnnnggnaa aaantnnnn nnnttttttt tttnaannng gnnaaaaaaa aaaaaaaaaa 360
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196 <210> SEQ ID NO: 11
197 <211> LENGTH: 396
198 <212> TYPE: DNA
199 <213> ORGANISM: Homo sapien
201 <400> SEQUENCE: 11
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203 atcaacattg tcgtcatttg acacgtagat tcgggcaagt ccaccactac tggccatctg 120
204 atctataaat gcggtggcat cgacaaaaga accattgaaa aatttgagaa ggaggctgct 180
205 gagatgggaa agggctcctt caagtatgcc tgggtcttgg ataaactgaa agctgagcgt 240
206 gaacgtggtg tcaccattga tatctccttg tggaaatttg agaccagcaa gtactatgtg 300
207 actatcattg atgccccagg acacagagac tttatcaaaa acatgattac agggacatct 360
208 caggctgact gtgtgtcctt gattgttgct gctggt 396
210 <210> SEQ ID NO: 12
211 <211> LENGTH: 396
212 <212> TYPE: DNA
213 <213> ORGANISM: Homo sapien
215 <400> SEQUENCE: 12
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217 cttctgtggt gtcatttctg aaacaagggc gtggatccct caaccaagaa gaatgtttat 120
218 gtcttcaagt gacctgtact gottggggac tattggagaa aataaggtgg agtctactt 180
219 gtttaaaaaa tatgtatcta agaattgttct agggcactct gggaacctat aaaggcaggt 240
220 atttcggggc ctctcttcca ggaatcttcc tgaagacatg gccagtcga aggccagga 300
221 tggtttttgc tgcggccccg tggggttagga gggacagaga gacagggaga gtcagcctcc 360
222 acattcagag gcatcacaag taatggcaca attctt 396
224 <210> SEQ ID NO: 13
225 <211> LENGTH: 396
226 <212> TYPE: DNA
227 <213> ORGANISM: Homo sapien
229 <400> SEQUENCE: 13
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231 ggtccggctg ctgcacgtgc gtgccggtt ctgctgcggg gtcacccag cccacaagaa 120
232 ggccatcgcc accctgtgct tcagccccgc ccacgagacc catctcttca cggcctccta 180
233 tgacaagcgg atcatcctct gggacatcgg ggtgccccac caggactacg aattccaggc 240
234 cagccagctg ctacactgg acaccactc tatccccctg cgctctgcc ctgtcgctc 300
235 ctgcccggac gcccgctgc tggccggtg cgagggcggc tgctgctgct gggacgtgcg 360

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236 gctggaccag ccccaaaaga ggaggggtgtg tgaagt 396
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239 <211> LENGTH: 396
240 <212> TYPE: DNA
241 <213> ORGANISM: Homo sapien
243 <400> SEQUENCE: 14
244 acggcgctcct cgtggaagtg acatcgtctt taaaccctgc gtggcaatcc ctgacgcacc 60
245 gccgtgatgc ccaggaaga cagggcgacc tggaagtcca actacttcct taagatcatc 120
246 caactattgg atgattatcc gaaatgtttc attgtgggag cagacaatgt gggctccaag 180
247 cagatgcagc agatccgcat gtcccttcgc ggggaaggctg tggtgctgat gggcaagaac 240
248 accatgatgc gcaaggccat ccgagggcac ctggaaaaca acccagctct ggagaaactg 300
249 ctgcctcata tccgggggaa tgtgggcttt gtgttcacca aggaggacct cactgagatc 360
250 agggacatgt tgctggccaa taaggtgcc a gctgct 396
252 <210> SEQ ID NO: 15
253 <211> LENGTH: 396
254 <212> TYPE: DNA
255 <213> ORGANISM: Homo sapien
257 <220> FEATURE:
258 <221> NAME/KEY: misc_feature
259 <222> LOCATION: (1)...(396)
260 <223> OTHER INFORMATION: n = A,T,C or G
262 <400> SEQUENCE: 15
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264 gatgaagact ctgctgctgt ttgtggggct gctgctgacc tgggagagt ggcaggctct 120
265 gggggaccag acggtctcag acaatgagct ccaggaaatg tocaatcagg gaagtaagta 180
266 cgtcaataag gaaattcaaa atgcttgctc acggggtgaa acagataaag actctcatag 240
267 aaaaaacaaa cgaagagcgc aagacactgc tcagcaacct agaagaagcc aagaagaaga 300
W--> 268 aagaggatgc cctaaatgag accaggggaat canagacaaa gctgaaggag ctcccaggag 360
269 tgtgcaatga gaccatgatg gccctctggg aagagt 396
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272 <211> LENGTH: 396
273 <212> TYPE: DNA
274 <213> ORGANISM: Homo sapien
276 <220> FEATURE:
277 <221> NAME/KEY: misc_feature
278 <222> LOCATION: (1)...(396)
279 <223> OTHER INFORMATION: n = A,T,C or G
281 <400> SEQUENCE: 16
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W--> 283 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttngggggg 120
W--> 284 nnnaaanttt tttntnanan nnnngggnaa aaaaaaaaaa aanaangggg gnnntnnggc 180
W--> 285 ccnnnanaaa aaaanngnna annaancccc ccnnnnnnnc ccncnnntnn ggaaananna 240
W--> 286 aaaccccccc cngggngggg nnaaaaaann ccnggggnan tttttatnnn annccccccc 300
W--> 287 ccnggggggg gnggaaaaaa aaaantnccc ccnannaana nnggggnccc cccnttttnc 360
W--> 288 aaaanggggg nccgggcccc ccnnantntt nggggg 396
290 <210> SEQ ID NO: 17
291 <211> LENGTH: 396
292 <212> TYPE: DNA
293 <213> ORGANISM: Homo sapien

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY
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Input Set : A:\484c5.app.txt
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L:14 M:270 C: Current Application Number differs, Wrong Format
L:37 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:38 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:65 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:66 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:67 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:70 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:84 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:86 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:87 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:90 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
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L:287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:318 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:334 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:337 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:339 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:340 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20

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L:357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:373_M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21